

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1308177

Luminaire Tested: P3SQAS17R359030DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359030DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

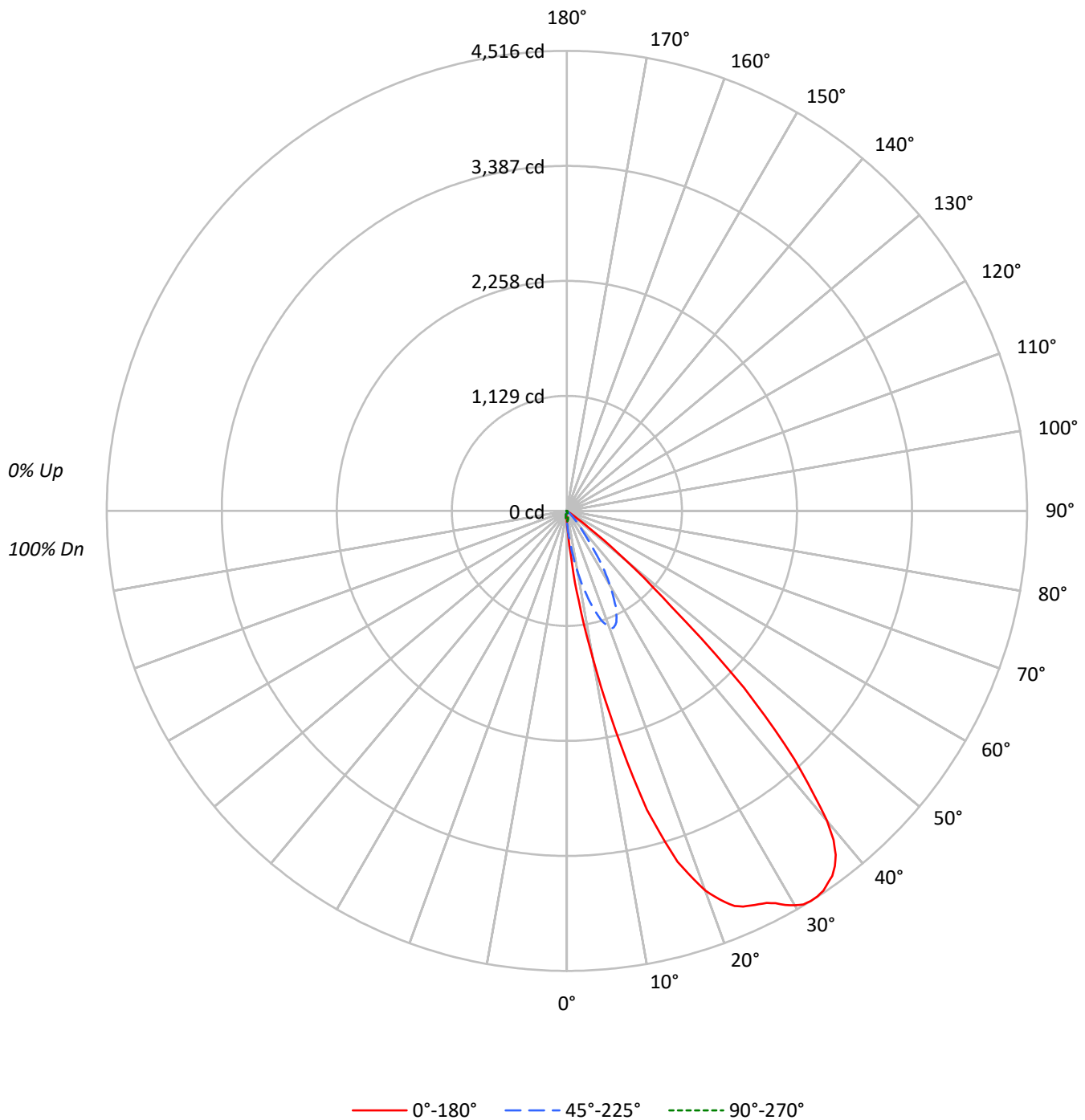
Lumens per Lamp: N/A
Luminaire Lumens: 1349.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75			
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67			
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61			
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55			
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45			
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40			
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17515	17515	17515	17515	17515
5°	76085	47162	16233	5791	4011
10°	256111	106449	12154	1347	455
15°	541990	174625	7578	0	0
20°	726706	223120	3537	0	0
25°	812155	219120	741	0	0
30°	889088	167882	0	0	0
35°	938345	91457	0	0	0
40°	892021	41075	0	0	0
45°	598694	18170	0	0	0
50°	199984	1715	0	0	0
55°	10809	0	0	0	0
60°	0	0	448	0	0
65°	0	0	1060	0	0
70°	0	655	1309	0	0
75°	0	865	1730	0	0
80°	0	1289	2579	0	0
85°	0	2569	5138	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 598694 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	1.6
10°-20°	187.2	13.9
20°-30°	410.7	30.4
30°-40°	475.0	35.2
40°-50°	234.5	17.4
50°-60°	17.3	1.3
60°-70°	0.6	0.0
70°-80°	1.0	0.1
80°-90°	0.9	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	619.7	45.9
0°-40°	1094.7	81.1
0°-60°	1346.6	99.8
0°-90°	1349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1349.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	102	102	102	102	102	
5°	440	273	94	34	23	76
15°	3040	979	42	0	0	858
25°	4274	1153	4	0	0	1976
35°	4463	435	0	0	0	2756
45°	2458	75	0	0	0	1804
55°	36	0	0	0	0	147
65°	0	0	3	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7
2.5°	202.1	207.2	204.6	204.6	203.3	196.9	185.3	181.5	167.3	132.6	103.0
5°	440.1	441.4	437.6	418.3	401.5	386.1	352.6	337.2	272.8	162.2	93.9
7.5°	893.1	873.8	849.4	822.4	763.2	709.1	638.3	563.7	422.1	187.9	83.7
10°	1464.5	1437.5	1416.9	1352.6	1245.8	1135.1	1000.0	877.7	608.7	205.9	69.5
12.5°	2202.0	2186.5	2113.2	1984.5	1826.2	1666.6	1431.1	1236.8	796.6	209.8	56.6
15°	3039.8	3014.0	2902.1	2719.3	2504.4	2253.4	1938.1	1611.3	979.4	198.2	42.5
17.5°	3612.5	3598.3	3501.8	3310.0	3062.9	2743.8	2370.6	1962.6	1129.9	173.7	29.6
20°	3965.1	3944.5	3854.4	3692.2	3433.6	3100.3	2657.5	2186.5	1217.4	142.9	19.3
21°	4056.5	4035.9	3963.8	3795.2	3548.1	3190.3	2736.0	2240.6	1234.2	128.7	15.4
22°	4142.7	4122.1	4046.2	3896.9	3652.3	3279.1	2797.8	2281.8	1231.6	117.1	11.6
23°	4214.7	4192.9	4118.2	3980.5	3734.7	3357.6	2844.1	2302.3	1214.9	105.5	9.0
24°	4252.1	4239.2	4172.3	4042.3	3801.6	3413.0	2876.3	2310.1	1194.3	93.9	6.4
25°	4273.9	4258.5	4192.9	4073.2	3845.4	3456.7	2896.9	2303.6	1153.1	83.7	3.9
26°	4297.1	4273.9	4199.3	4083.5	3868.6	3477.3	2898.2	2286.9	1109.3	74.6	1.3
27°	4317.7	4295.8	4218.6	4091.2	3872.4	3470.9	2887.9	2254.7	1056.6	65.6	1.3
28°	4362.7	4338.3	4249.5	4107.9	3876.3	3454.2	2855.7	2211.0	987.1	57.9	0.0
29°	4421.9	4396.2	4294.5	4147.8	3885.3	3436.1	2812.0	2153.1	926.6	51.5	0.0
30°	4470.8	4447.7	4353.7	4198.0	3908.5	3419.4	2760.5	2074.6	844.2	43.8	0.0
31°	4506.9	4483.7	4397.5	4240.5	3929.0	3404.0	2696.1	1993.5	769.6	38.6	0.0
32°	4515.9	4496.6	4415.5	4258.5	3929.0	3380.8	2637.0	1902.1	696.2	32.2	0.0
33°	4512.0	4492.7	4410.4	4245.6	3894.3	3325.5	2564.9	1792.7	612.6	28.3	0.0
34°	4497.9	4474.7	4387.2	4204.4	3826.1	3231.5	2460.6	1683.3	525.1	23.2	0.0
35°	4463.1	4442.5	4347.3	4127.2	3720.6	3088.7	2321.6	1557.2	435.0	19.3	0.0
36°	4429.7	4398.8	4281.7	4032.0	3581.6	2942.0	2155.6	1411.8	357.8	15.4	0.0
37°	4367.9	4324.1	4205.7	3894.3	3384.7	2734.8	1966.5	1252.2	299.9	11.6	0.0
38°	4285.5	4226.3	4075.8	3734.7	3186.5	2540.4	1788.9	1108.1	252.2	7.7	0.0
39°	4158.1	4088.6	3884.0	3515.9	2957.4	2315.2	1585.5	954.9	214.9	5.1	0.0
40°	3967.7	3902.0	3675.5	3256.0	2729.6	2066.8	1377.0	782.5	182.7	2.6	0.0
42.5°	3303.6	3213.5	2951.0	2534.0	2017.9	1486.4	911.2	435.0	121.0	0.0	0.0
45°	2458.1	2378.3	2120.9	1741.2	1344.9	909.9	487.8	256.1	74.6	0.0	0.0
47.5°	1388.6	1379.6	1212.3	1000.0	750.3	483.9	247.1	154.4	32.2	0.0	0.0
50°	746.4	700.1	603.6	458.2	312.7	211.1	133.8	84.9	6.4	0.0	0.0
52.5°	272.8	263.8	221.4	184.0	141.6	96.5	68.2	37.3	0.0	0.0	0.0
55°	36.0	33.5	34.7	37.3	38.6	33.5	21.9	7.7	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.3	2.6	2.6	2.6	0.0	0.0	0.0	1.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	101.7	101.7	101.7	101.7
2.5°	78.5	60.5	51.5	50.2
5°	54.1	33.5	24.5	23.2
7.5°	37.3	16.7	11.6	10.3
10°	21.9	7.7	3.9	2.6
12.5°	12.9	1.3	0.0	0.0
15°	3.9	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.3	0.0	0.0	0.0
67.5°	1.3	0.0	0.0	0.0
70°	1.3	0.0	0.0	0.0
72.5°	1.3	0.0	0.0	0.0
75°	1.3	0.0	0.0	0.0
77.5°	1.3	0.0	0.0	0.0
80°	1.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.3	0.0	0.0	0.0
85°	1.3	0.0	0.0	0.0
87.5°	1.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)